INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP2004/014781

A. CLASSIFICATION OF SUBJECT MATTER Int.Cl⁷ C07C257/02, C07D257/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
Int.Cl⁷ C07C257/02, C07D257/04-257/06

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CAPLUS (STN), CASREACT (STN)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 5-286972 A (Zenaca Ltd.), 02 November, 1993 (02.11.93), Claims; Par. Nos. [0027] to [0029]	1-8
Y	JP 46-10526 B1 (Toyo Jozo Co., Ltd.), 17 March, 1971 (17.03.71), Column 4, line 37 to column 5, line 6	1-3
Y	JP 9-309883 A (Kabushiki Kaisha Toyo Kasei), 02 December, 1997 (02.12.97), Claims; Par. Nos. [0003] to [0010]	4-8
A	JP 2001-172248 A (Nippon Fine Chemical Co., Ltd.), 26 June, 2001 (26.06.01), Claims	1-3

Further documents are listed in the continuation of Box C.	X See patent family annex.	
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance 	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention	
"E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone	
cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
the priority date claimed	"&" document member of the same patent family	
Date of the actual completion of the international search 14 December, 2004 (14.12.04)	Date of mailing of the international search report 28 December, 2004 (28.12.04)	
Name and mailing address of the ISA/ Japanese Patent Office	Authorized officer	
Facsimile No.	Telephone No.	

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International application No.

PCT/JP2004/014781

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
A	1-3	
A	JP 2002-284770 A (Council of Scientific and Industrial Research), 03 October, 2002 (03.10.02), Claims	4-8
A	JP 63-112570 A (Dynamit Nobel AG.), 17 May, 1988 (17.05.88), Claims	4-8
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Box No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
1. Claim	hal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons: as Nos.: se they relate to subject matter not required to be searched by this Authority, namely:
becau	ns Nos.: se they relate to parts of the international application that do not comply with the prescribed requirements to such an t that no meaningful international search can be carried out, specifically:
	ns Nos.: se they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III	Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
The invention but the Film Co. of claim in claim the compartment that the contract form a second contract contr	mal Searching Authority found multiple inventions in this international application, as follows: matter common to a group of inventions of claims 1-3 and a group of ons of claims 4-8 is compounds represented by the general formula (2), compounds are not novel as disclosed in JP 2003-321431 A (Fuji Photo , Ltd.) 11 November, 2003 (11.11.03). Incidentally, the inventions as 1-3 are not disclosed in the earliest application which is referred aing priority (filing date: 10.10.2003), so that as described above, counds represented by the general formula (2) are not novel. s, the matter common to the two groups of inventions is not a special al feature, and the two groups of inventions are not so linked as to single general inventive concept. required additional search fees were timely paid by the applicant, this international search report covers all searchable s.
	searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of diditional fee.
	ly some of the required additional search fees were timely paid by the applicant, this international search report covers hose claims for which fees were paid, specifically claims Nos.:
	quired additional search fees were timely paid by the applicant. Consequently, this international search report is sted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Pr	otest
1	No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT Information on patent family members		International application No.	
		nbers	PCT/JP2004/014781
TD	5-286972 A	1993.11.02	EP 554098 A2
UP.	3 200972 A		AU 9331007 A NO 9300276 A FI 9300022 A CA 2086647 A ZA 9300014 A US 5334718 A NZ 245694 A DE 69320668 E
JP	46-10526 B1	1971.03.17	(Family: none)
JP	9-309883 A	1997.12.02	EP 796852 A1 US 5744612 A JP 10-114772 A US 6040454 A DE 69707537 E
JP	2001-172248 A	2001.06.26	(Family: none)
JP	40-13726 B1	1965.07.01	(Family: none)
JP	2002-284770 A	2002.10.03	US 6326498 B1
JP	63-112570 A	1988.05.17	DE 3634717 A EP 264008 A US 4791210 A DE 3788921 G